



0590
0106

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/075,105B
Source: O IPE
Date Processed by STIC: 01/16/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/075,105B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ✓ Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



Does Not Comply
Corrected Diskette Needed

OIEP

RAW SEQUENCE LISTING

DATE: 01/16/2003

PATENT APPLICATION: US/10/075,105B

TIME: 12:08:46

Input Set : A:\EP.txt

Output Set: N:\CRF4\01162003\J075105B.raw

3 <110> APPLICANT: Li, Zhijian T
4 Gray, Dennis J
6 <120> TITLE OF INVENTION: Bi-Directional Dual Promoter Complex with Enhanced Promoter
Activity for

7 Transgene Expression in Eukaryotes
9 <130> FILE REFERENCE: 7270-72978
11 <140> CURRENT APPLICATION NUMBER: 10/075,105B
12 <141> CURRENT FILING DATE: 2002-02-13
14 <150> PRIOR APPLICATION NUMBER: 60/268,358
15 <151> PRIOR FILING DATE: 2001-02-13
17 <160> NUMBER OF SEQ ID NOS: 18
19 <170> SOFTWARE: PatentIn version 3.1

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

21 <210> SEQ ID NO: 1
22 <211> LENGTH: 736
23 <212> TYPE: DNA
24 <213> ORGANISM: unknown
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Unknown Organism
29 <400> SEQUENCE: 1

— must explain genetic source —
See error summary sheet item 11

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32 aaggatagtg ggattgtgcg tcatccctta cgtcagtgga gatactgcag aagcttctgc      120
34 agtgagactt ttcaacaaag ggtaatatcg ggaaacctcc tcggattcca ttgccagct      180
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46 acctacaaat gccatcattg cgataaagga aaggctatcg ttcaagatgc ctctgccgac      540
48 agtgggtcca aagatggacc cccacccacg aggagcatcg tggaaaaaga agacgttcca      600
50 accacgtctt caaagcaagt ggattgatgt gatattctcca ctgacgtaag ggatgacgca      660
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62 <220> FEATURE:
63 <223> OTHER INFORMATION: unknown organism
65 <400> SEQUENCE: 2

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70 tcaactctgaa aagttgtttc ccattatagc cctttggagg agcctaagggt aacgggtcga      180
72 tagacagtga agtagttttc ctgtcatctt ttccttccac cgtggatgtt tacggtagta      240
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78 caccctaacta cactaacgtc actctgaaaa gttgtttccc attatagccc tttggaggag 420
80 cctaaggtaa cgggtcgata gacagtgaag tagttttcct gtcattcttt ccttccaccg 480
82 tggatgttta cggtagtaac gctatttcct ttccgatagc aagttctacg gagacggctg 540
84 tcaccagggt ttctacctgg ggggtgggtgc tcctcgtagc acctttttct tctgcaagggt 600
86 tgggtgcagaa gtttcgttca cctaactaca ctatagaggt gactgcattc cctactgcgt 660
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106 tgctttgaag acgtgggttg aacgtcttct ttttccacga tgctcctcgt ggggtgggggt 180
108 ccatctttgg gaccactgtc ggcagaggca tcttcaacga tggcctttcc tttatcgcaa 240
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118 tttccacgat gctcctcgtg ggtgggggtc catctttggg accactgtcg gcagaggcat 540
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122 ccactatctt cacaataaag tgacagatag ctgggcaatg gaatccgagg aggtttccgg 660
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128 cttttcaaca aagggttaata tcgggaaacc tcctcggatt ccattgcccc gctatctgtc 840
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132 aaggaaaggc tatcgttcaa gatgcctctg ccgacagtgg tcccaaagat ggacccccac 960
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138 attgcccagc tatctgtcac ttcatcaaaa ggacagtaga aaagggaagg ggcacctaca 1140
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142 ccaaagatgg acccccaccc acgaggagca tcgtggaaaa agaagacgtt ccaaccacgt 1260
144 cttcaaagca agtggattga tgtgatattc ccaactgacgt aagggatgac gcacaatccc 1320
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155 <223> OTHER INFORMATION: Unknown Organism
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162 acgaaacttc tgcaccaacc ttgcagaaga aaaagggtgct acgaggagca cccaccccc 180
164 ggtagaaacc ctggtgacag ccgtctccgt agaagttgct accggaaagg aaatagcgtt 240

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DATE: 01/16/2003

PATENT APPLICATION: US/10/075,105B

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Output Set: N:\CRF4\01162003\J075105B.raw

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168 cgacccggtta ccttaggctc ctccaaaggc ctataatggg aaacaacttt tcagaggttaa 360
170 cgggaaacca gaagactctg acatagaaac tataaaaaacc tcatctgttc acacagcacg 420
172 aggtggtaca actaagtgtg gttagggtgaa cgaaacttct gcaccaacct tgcagaagaa 480
174 aaaggtgcta cgaggagcac ccacccccag gtagaaaccc tgggtgacagc cgtctccgta 540
176 gaagttgcta ccggaaagga aatagcggtta ctaccgtaaa catcctcggg ggaaggaaaa 600
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180 tataatggga aacaactttt cagagttaac gggaaaccag aagactctga catagaaact 720
182 ataaaaacct catctgttca cacagcacga ggtggtacaa ctattcgaag acgtcactct 780
184 gaaaagtgtt ttcccattat agccctttgg aggagcctaa ggtaacgggt cgatagacag 840
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188 ttctttccg atagcaagtt ctacggagac ggctgtcacc agggtttcta cctgggggtg 960
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194 taacgggtcg atagacagtg aagtagtttt cctgtcatct tttccttcca ccgtggatgt 1140
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198 ggtttctacc tgggggtggg tgctcctcgt agcacctttt tcttctgcaa ggttggtgca 1260
200 gaagtttcgt tcacctaaact acactataga ggtgactgca ttccctactg cgtgttaggg 1320
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205 <210> SEQ ID NO: 5

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207 <212> TYPE: DNA

208 <213> ORGANISM: unknown

210 <220> FEATURE:

211 <223> OTHER INFORMATION: (Unknown Organism)

213 <400> SEQUENCE: 5

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218 tcaagggcaa aaatgacacg gaaaaatata aaaggataag tagtggggga taagattcct 180
220 ttgtgataag gttactttcc gaagcttcca gaaggtaatt atccaagatg tagcatcaag 240
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224 aatatgcggc acatatgcaa cctatgttca aaaatgaaga atgtacagat acaagatcct 360
226 atactgccag aatacgaaga agaatacgta gaaattgaaa agaagaacc aggcgaagaa 420
228 aagaatcttg aagacgtaag cactgacgac aacaatgaaa agaagaagat aaggtcgggtg 480
230 attgtgaaag agacatagag gacacatgta aggtggaaaa tgtaagggct gcagaaggta 540
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236 agaattgtaca gatacaagat cctatactgc cagaatacga agaagaatac gtagaaattg 720
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244 tttatatatt tccgtgtcat ttttgccctt gagttttcct atataaggaa ccaagttcgg 960
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251 <210> SEQ ID NO: 6

252 <211> LENGTH: 1052

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256 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 01/16/2003

PATENT APPLICATION: US/10/075,105B

TIME: 12:08:46

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Output Set: N:\CRF4\01162003\J075105B.raw

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264	agttcccgtt	tttactgtgc	ctttttatat	tttcctattc	atcaccccct	attctaagga	180
266	aacactattc	caatgaaagg	cttcgaaggt	cttccattaa	taggttctac	atcgtagttc	240
268	ttaggtttaca	aatgcccttt	ttgataacct	cataatacac	tcgagtcggt	cttcgtctag	300
270	ttatacgccg	tgtatacggt	ggatacaagt	ttttacttct	tacatgtcta	tggtcttaga	360
272	tatgacggtc	ttatgcttct	tcttatgcat	ctttaacttt	ttcttcttgg	tccgcttctt	420
274	ttcttagaac	ttctgcattc	gtgactgctg	ttgttacttt	tcttcttcta	ttccagccac	480
276	taacactttc	tctgtatctc	ctgtgtacat	tccacctttt	acattcccga	cgtcttccat	540
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290	aaatataaaa	aggcacagta	aaaacgggaa	ctcaaaagga	tatattcctt	ggttcaagcc	960
292	gtaaacactt	ttgttctttt	ttaaaccaca	ttcgataaaa	gaaacttcat	gactcctatg	1020
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303 <223> OTHER INFORMATION: Unknown Organism

305 <400> SEQUENCE: 7

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310	tcaagggcaa	aatgacacg	gaaaaatata	aaaggataag	tagtggggga	taagattcct	180
312	ttgtgataag	gttactttcc	gcccttacat	tttccacctt	acatgtgtcc	tctatgtctc	240
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346	aatgtacaga	tacaagatcc	tatactgcca	gaatacgaag	aagaatacgt	agaaattgaa	1260
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Input Set : A:\EP.txt

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352 atgtaagggc ggaaaagtaac cttatcacaa aggaatctta tccccacta cttatccttt 1440
354 tatatttttc cgtgtcattt ttgcccttga gttttcctat ataaggaacc aagttcggca 1500
356 tttgtgaaaa caagaaaaaa tttggtgtaa gctattttct ttgaagtact gaggatacaa 1560
358 cttcagagaa atttgtaagt ttgtggatcc 1590

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367 <223> OTHER INFORMATION: Unknown Organism

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374 agttcccggt tttactgtgc ctttttatat ttctctattc atcaccccct attctaagga 180
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425 <210> SEQ ID NO: 9

426 <211> LENGTH: 1228

427 <212> TYPE: DNA

428 <213> ORGANISM: unknown

430 <220> FEATURE:

431 <223> OTHER INFORMATION: Unknown Organism

433 <400> SEQUENCE: 9

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438 cgaccacaga agcttcaact atttttatgt atgcaagagt cagcatatgt ataattgatt 180

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/075,105B

DATE: 01/16/2003
TIME: 12:08:47

Input Set : A:\EP.txt
Output Set: N:\CRF4\01162003\J075105B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6

VERIFICATION SUMMARY

DATE: 01/16/2003

PATENT APPLICATION: US/10/075,105B

TIME: 12:08:47

Input Set : A:\EP.txt

Output Set: N:\CRF4\01162003\J075105B.raw